

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Ji Yong PARK et al.

Application No.: 10/734,162

Group Art Unit: 2815

Filed: December 15, 2003

Examiner: Landau, Matthew C.

For: THIN FILM TRANSISTOR WITH LDD/OFFSET STRUCTURE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ List Of References Cited By Applicant (ATTACHMENT 1(a), hereto).
- 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☒ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d. ☒ English language translation (Abstract Only) attached to non-English language publications as indicated on the attached List Of References Cited By Applicant.
- 1e. ☒ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.
- 1f. ☐ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(b):

*(Check either Item 2a or 2b or 2c or 2d)*

- 2a. ☐ Within three months of the filing date of a national application;
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☐ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☒ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND
- (Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)*
- 3a. ☒ The § 1.97(e) Statement in Item 5 below is applicable; OR
- 3b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
- ☐ enclosed.
- ☐ to be charged to Deposit Account No. 503333.
4. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND
- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND
- 4b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
- ☐ enclosed.
- ☐ to be charged to Deposit Account No. 503333.
5. ☒ Statement under § 1.97(e) *(applicable if Item 3a or Item 4a is checked)*
- (Check either Item 5a or 5b)*
- 5a. ☒ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).
- (Check appropriate Items 6a and/or 6b)*
- 6a. ☐ Copies of the publications listed on the attached List Of References Cited By Applicant which were previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
- 6b. ☐ Copies of the publications listed on the attached List Of References Cited By Applicant which were not previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a Request for Continued Examination under 37 CFR § 1.114.  
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A Request for Continued Examination under 37 CFR § 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.114(a), respectively.
8. ☐ This is a Supplemental Information Disclosure Statement.  
(Check either Item 8a or 8b)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on \_\_\_\_\_. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on \_\_\_\_\_.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §§ 1.97 and 1.98, mailed \_\_\_\_\_.
9. ☒ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:  
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609.04(a)(III), Minimum Requirements for an Information Disclosure Statement: Concise Explanation of Relevance, 8th Ed., Rev. 5)
- 9b. ☐ set forth in the application.
- 9c. ☒ satisfied for the non-English language publication(s) indicated on the attached List Of References Cited By Applicant as having an English language translation (Abstract Only) attached thereto.
- 9d. ☒ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 503333.

Respectfully submitted,

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<b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1514.1030	10/734,162
	FIRST NAMED INVENTOR	
	Ji Yong PARK et al.	
	FILING DATE	GROUP ART UNIT
	December 15, 2003	2815

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,858,823	1/1999	Yamazaki et al.			
	AB	2002/0182833 A1	12/2002	Yang			
	AC	6,184,541 B1	2/2001	Oka et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AD	EP 1 020 899 A1	7/2000	European			
	AE	JP 11-168216	6/1999	Japan			x
	AF	JP 11-354800	12/1999	Japan			x
	AG	WO 02/09192	1/2002	WIPO			
	AH	EP 0 565 231 A2	10/1993	European			

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

			TRANSLATION YES NO	
	AI	Search Report issued in corresponding European Patent Application No. 03090437.9-1528 on February 21, 2007		
	AJ	Ishihara R et al., "Location Control of Large Grain Following Excimer-Laser Melting of Si Thin-Films", March 1998, Tokyo, Japan, Vol. 37, No. 3B, pages 1071-1075.		
	AK	Office Action issued in corresponding Japanese Patent Application No. 2003-297912 on March 9, 2007.		x

EXAMINER	DATE CONSIDERED
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(a)**

<b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	<b>ATTORNEY DOCKET NO.</b> 1514.1030	<b>APPLICATION NO.</b> 10/734,162
	<b>FIRST NAMED INVENTOR</b> Ji Yong PARK et al.	
	<b>FILING DATE</b> December 15, 2003	<b>GROUP ART UNIT</b> 2815

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AL	2002/0106586	8/2002	You			
	AM	6,177,301 B1	1/2001	Jung			
	AN	2002/0100937 A1	8/2002	Yamazaki et al			
	AO	6,300,175 B1	10/2001	Moon			
	AP						
	AQ						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	<u>TRANSLATION</u> YES NO		ABSTRACT
	AR	WO 97/45827	12/1997	WIPO			
	AS	GB 2 338 343	12/1999	Great Britain			
	AT						
	AU						
	AKV						
	AW						

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

			<u>TRANSLATION</u> YES NO	
	AX			

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**ATTACHMENT 1(e)**

<b>EXPLANATIONS OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1514.1030	10/734,162
	FIRST NAMED INVENTOR	
	Ji Yong PARK et al.	
	FILING DATE	GROUP ART UNIT
	December 15, 2003	2815

Reference AC (US 6,184,541 B1) is substantially equivalent to Reference AE (JP 11-168216).

Reference AF (JP11-354800) was previously submitted on IDS filed May 31, 2006 and considered on August 5, 2006.

Reference AO (US 6,300,175 B1) is substantially equivalent to Reference AS (GB 2 338 343)